STATE OF MISSOURI GEOLOGICAL SURVEY PROGRAM APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

R	E	C	E FORM O	GC-3E	D
N	AL.		a 21 Grow G	GC-3 _/	D

				BACK [7]	EOD AND	OIL WELL		R GAS WELL	
APPLICATI	ON TO DRILL	☐ DEEP	EN PLUG	DACK K	LOW WIA	JIL VVELL	LJ OF	TONO VILLE	
NAME OF COMPANY						DATE	10 Oi	18 Goo C	
Altavista Energy	/, Inc.					05/25	5/2012	& Gas C	
ADDRESS				СПУ		STATE	70.00	CODE	
PO Box 128	OF WELL AN	DIFACE	Iw	ellsville		KS	66	6092	
DESCRIPTION NAME OF LEASE	OF WELL AN	D LEASE	Γw	ELL NUMBER		I ELEVA	TION (CROIL	ND)	
Aick Effertz Wes	st		A-			1090	ELEVATION (GROUND) 1090		
WELL LOCATION	- Aller Mary		(GIVE FOOTAGE F	ROM SECTION LINES)				
	4785	t. from 🗌 North 🗸	South section line	2805	ft. from 🗸	East Wes	st section li	ne	
WELL LOCATION					ONGITUDE		TY	100000	
Sec. 32 Town	nship 46 North	Range 33	☐ East ☑ West ☐ 3	8.77316 23.3	94.59840	54.2" Cass			
			PROPERTY OR LEASE LI		FEET /				
DISTANCE FROM F			DRILLING, COMPLETED	OR APPLIED - FOR			The state of the s	FEET	
ROPOSED DEPTH	1 1000 000000	OUTSIDE SONIES		ROTARY OR CABLE TOOLS APPROX. DATE WORK WII JISBURG, KS 66053 Rotary 06/07/2012					
UMBER OF ACRES IN	NUEAGE						06/07/20		
56	NUMB		EASE INCLUDING THIS V	VELL, COMPLETED	IN OR DRIL	LING TO THIS F	RESERVOIR	1	
			WELLS ON LEASE 0						
		R MORE WELLS DR	ILLED, FROM WHOM PU	RCHASED?		NO. OF W		DUCING 0	
AME N/A - Nev	w Lease							NACTIVE 0	
DDRESS								NDONED 0	
STATUS OF BOND SINGLE WELL				☑ BLANKET BOND OK ☑ ON FILE			VEILE		
STATUS O	OF BOND	The state of the s					M OI	- 1 1 mm	
REMARKS: (IF THIS IS	AN APPLICATION T	AMOUNT \$		AMOUN	T\$ 40,00	0	TA 🗆	TACHED	
EMARKS: (IF THIS IS JECTION ZONE; USE	AN APPLICATION T E BACK OF FORM IF PROPOSED C	AMOUNT \$ O DEEPEN OR PLUG BANEEDED) ASING PROGRAM	ACK, BRIEFLY DESCRIBE WO	AMOUN ORK TO BE DONE, GIV	T \$ 40,00	0	AT	TACHED E AND EXPECTED NEW	
EMARKS: (IF THIS IS JECTION ZONE; USE	PROPOSED C	AMOUNT \$ O DEEPEN OR PLUG BANEEDED) ASING PROGRAM WT/FT	ACK, BRIEFLY DESCRIBE WO	AMOUN PRK TO BE DONE, GIV APPROVED AMOUNT	T \$ 40,000	O PRODUCING/INJ	AT AT A A BY STATE	E GEOLOGIST CEMENT	
EMARKS: (IF THIS IS NJECTION ZONE; USE	PROPOSED C SIZE 8.625"	AMOUNT \$ DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20	CEMENT 5 sx (to surf.)	AMOUN PRK TO BE DONE, GIV APPROVED AMOUNT 20 '	T \$ 40,000 ING PRESENT	O PRODUCING/INJ	N BY STATE WT/FT	E GEOLOGIST CEMENT	
EMARKS: (IF THIS IS NJECTION ZONE; USE	PROPOSED C	AMOUNT \$ O DEEPEN OR PLUG BANEEDED) ASING PROGRAM WT/FT	ACK, BRIEFLY DESCRIBE WO	AMOUN PRK TO BE DONE, GIV APPROVED AMOUNT	T \$ 40,000	O PRODUCING/INJ	AT AT A A BY STATE	E GEOLOGIST CEMENT	
REMARKS: (IF THIS IS NJECTION ZONE; USE AMOUNT 20' (surface)	PROPOSED C SIZE 8.625"	AMOUNT \$ DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20	CEMENT 5 sx (to surf.)	AMOUN PRK TO BE DONE, GIV APPROVED AMOUNT 20 '	T \$ 40,000 ING PRESENT	O PRODUCING/INJ	N BY STATE WT/FT	E GEOLOGIST CEMENT	
AMOUNT 20' (surface) 800' (prod)	PROPOSED C SIZE 8.625" 4.5"	AMOUNT \$ O DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manage	CEMENT 5 sx (to surf.) 130 sx (to surf)	APPROVED AMOUNT 20' 800' (Company), an	CASING - SIZE 8.62 4.5	TO BE FILLED I	N BY STATE WT/FT	E GEOLOGIST CEMENT Full Length	
AMOUNT 20' (surface) 800' (prod) the Undersignatis report, and t	PROPOSED C SIZE 8.625" 4.5"	AMOUNT \$ DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manage was prepared un	CEMENT 5 sx (to surf.) 130 sx (to surf)	APPROVED AMOUNT 20' 800' (Company), an	CASING - SIZE 8.62 4.5	TO BE FILLED I	N BY STATE WT/FT	E GEOLOGIST CEMENT Full Length	
AMOUNT 20' (surface) 800' (prod) the Undersigned is report, and tond complete to	PROPOSED O SIZE 8.625" 4.5" ed, state that I that this report the best of my	AMOUNT \$ DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manage was prepared un knowledge.	CEMENT 5 sx (to surf.) 130 sx (to surf)	APPROVED AMOUNT 20' 800' (Company), an	CASING - SIZE 8.62 4.5	TO BE FILLED I	N BY STATE WT/FT	E GEOLOGIST CEMENT Full Length	
AMOUNT 20' (surface) 800' (prod) the Undersigned is report, and to complete to	PROPOSED O SIZE 8.625" 4.5" ed, state that I that this report the best of my	AMOUNT \$ DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manage was prepared unknowledge.	CEMENT 5 sx (to surf.) 130 sx (to surf)	APPROVED AMOUNT 20' 800' (Company), an	CASING - SIZE 8.62 4.5	TO BE FILLED I	N BY STATE WT/FT	E GEOLOGIST CEMENT COMPANY to make	
AMOUNT 20' (surface) 800' (prod)	PROPOSED C SIZE 8.625" 4.5"	AMOUNT \$ DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manage was prepared un knowledge.	CEMENT 5 sx (to surf.) 130 sx (to surf) r of the Corp. der my supervision a	APPROVED AMOUNT 20' 800' ((Company), and direction and	CASING - SIZE 8.62 4.5	TO BE FILLED I	N BY STATE WT/FT Do by said coherein are	E GEOLOGIST CEMENT Full Length Dompany to make etrue, correct,	
AMOUNT 20' (surface) 800' (prod) , the Undersigner in the report, and the report in t	PROPOSED O SIZE 8.625" 4.5" ed, state that I that this report the best of my	AMOUNT \$ DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manage was prepared un knowledge.	CEMENT 5 sx (to surf.) 130 sx (to surf) r of the Corp. der my supervision a	APPROVED AMOUNT 20' 800' (Company), and direction and	CASING - SIZE 8.62 4.5	TO BE FILLED I	N BY STATI WT/FT Do by said coherein are	E GEOLOGIST CEMENT Full Length company to make etrue, correct,	
AMOUNT 20' (surface) 800' (prod) , the Undersigner this report, and tond complete to	PROPOSED OF SIZE 8.625" 4.5" ed, state that I that this report the best of my	AMOUNT \$, O DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manage was prepared unknowledge.	CEMENT 5 sx (to surf.) 130 sx (to surf) r of the Corp. der my supervision a	APPROVED AMOUNT 20' 800' (Company), and direction and dir	CASING - SIZE 8.62 4.5	TO BE FILLED I	N BY STATI WT/FT Do by said coherein are	E GEOLOGIST CEMENT Full Length company to make etrue, correct,	
AMOUNT 20' (surface) 800' (prod) the Undersigner is report, and the undersigner is report, and the undersigner is report is report. ERMIT NUMBER O 3 7 - 6 PPROVED DATE	PROPOSED OF SIZE 8.625" 4.5" ed, state that I that this report the best of my	AMOUNT \$ DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manage was prepared un knowledge.	CEMENT 5 sx (to surf.) 130 sx (to surf) r of the Corp. der my supervision a	APPROVED AMOUNT 20' (Company), and direction and directio	CASING - SIZE 8.62 4.5	TO BE FILLED I	N BY STATI WT/FT Do by said coherein are	E GEOLOGIST CEMENT Full Length company to make etrue, correct,	
AMOUNT 20' (surface) 800' (prod) the Undersignatis report, and the complete to gnature ERMIT NUMBER O 3 7 - Corproved Date	PROPOSED OF SIZE 8.625" 4.5" ed, state that I that this report the best of my	AMOUNT \$, O DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manage was prepared unknowledge.	CEMENT 5 sx (to surf.) 130 sx (to surf) r of the Corp. der my supervision a DRILLER'S LOG R CORE ANALYSIS I SAMPLES REQUIR	APPROVED AMOUNT 20 / 800 / (Company), and direction and d	CASING - SIZE 8.62 4.5	TO BE FILLED I	N BY STATI WT/FT Do by said coherein are	E GEOLOGIST CEMENT Full Length company to make etrue, correct,	
AMOUNT 20' (surface) 800' (prod) the Undersigned is report, and to a complete to gnature ERMIT NUMBER O 3 7 - COMPROVED DATE	PROPOSED OF SIZE 8.625" 4.5" ed, state that I that this report the best of my 20969696969666666666666666666666666666	AMOUNT \$, O DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manager was prepared unknowledge.	CEMENT 5 sx (to surf.) 130 sx (to surf) r of the Corp. der my supervision a DRILLER'S LOG R CORE ANALYSIS I SAMPLES REQUIF	AMOUN PRK TO BE DONE, GIV APPROVED AMOUNT 20' 800' (Company), and and direction and	CASING - SIZE 8.63 4.5	TO BE FILLED I authorized facts stated t DATE 05/25/ E-LOGS REQUII	N BY STATI WT/FT Do by said coherein are	E GEOLOGIST CEMENT Full Length Dompany to make et rue, correct,	
AMOUNT 20' (surface) 800' (prod) the Undersigned is report, and the undersigned is reported by the undersigned is reported	PROPOSED OF SIZE 8.625" 4.5" ed, state that I that this report the best of my 20969 6-6-1 THIS PERMIT BY THE	AMOUNT \$ DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manage was prepared un knowledge.	CEMENT 5 sx (to surf.) 130 sx (to surf.) 130 sx (to surf.) Tof the Corp. Ider my supervision as CORE ANALYSIS IN SAMPLES REQUIRED WATER SAMPLES RABLE TO ANY OTHER SAMPLES NOT CONSTITUTE OF CONSTIT	APPROVED AMOUNT 20 / 800 / (Company), and direction and d	CASING -1 SIZE 8.62 4.5 d that I and that the	TO BE FILLED I	N BY STATE WT/FT Do by said coherein are /2012 RED IF RUN TEST INFO	E GEOLOGIST CEMENT Full Length Dempany to make entrue, correct,	
AMOUNT 20' (surface) 800' (prod) the Undersigned is report, and to a complete to gnature ERMIT NUMBER OTE PPROVED BY PPROVAL OF THIS ELL NOR ENDORS of the ouncil approval	PROPOSED OF SIZE 8.625" 4.5" ed, state that I that this report the best of my CO9 69 6-6-1 THIS PERMIT PERMIT BY THE SEMENT OF THE PERMIT BY THE BY T	AMOUNT \$ O DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manages was prepared un knowledge. VALIFICATIONS OF OOL AND GAS COUN QUALIFICATIONS OF OODS OF TRANSFER	CEMENT 5 sx (to surf.) 130 sx (to surf.) 130 sx (to surf.) Tof the Corp. Ider my supervision as CORE ANALYSIS IN SAMPLES REQUIRED WATER SAMPLES RABLE TO ANY OTHER SAMPLES NOT CONSTITUTE OF CONSTIT	APPROVED AMOUNT 20 / 800 / ((Company), and direction and	CASING - SIZE 8.63 4.5 d that I and that the	TO BE FILLED I TO BE FILLED I	N BY STATE WT/FT 20 by said coherein are /2012 RED IF RUN TEST INFO	E GEOLOGIST CEMENT CUIL LCosth Company to make etrue, correct, REQUIRED IF RUN CEMENT CONTROL CONTROL	
AMOUNT 20' (surface) 800' (prod) the Undersigned is report, and the complete to indicate the complete the	PROPOSED OF SIZE 8.625" 4.5" ed, state that I that this report the best of my COPUGATION THE SEMENT OF THE SEM	AMOUNT \$ O DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manages was prepared un knowledge. VALIFICATIONS OF OOL AND GAS COUN QUALIFICATIONS OF OODS OF TRANSFER	CEMENT 5 sx (to surf.) 130 sx (to surf.) 130 sx (to surf.) Tof the Corp. Ider my supervision as Core analysis of Samples require Samples Not result water samples ABLE TO ANY OTHER SERVICIL DOES NOT CONSTITE THE PERMITTEE	APPROVED AMOUNT 20 / 800 / ((Company), and direction and	CASING - SIZE 8.63 4.5 d that I and that the	TO BE FILLED I TO BE FILLED I	N BY STATE WT/FT 20 by said coherein are /2012 RED IF RUN TEST INFO	E GEOLOGIST CEMENT CUIL LCosth Company to make etrue, correct, REQUIRED IF RUN CEMENT CONTROL CONTROL	
AMOUNT 20' (surface) 800' (prod) the Undersigner is report, and to a complete to gnature RMIT NUMBER PROVED DATE PROVED BY PROVAL OF THIS IS JECTION ZONE; USE	PROPOSED OF SIZE 8.625" 4.5" ed, state that I that this report the best of my COPUGATION THE SEMENT OF THE SEM	AMOUNT \$ O DEEPEN OR PLUG BY NEEDED) ASING PROGRAM WT/FT 20 10 am the Manages was prepared un knowledge. VALIFICATIONS OF OOL AND GAS COUN QUALIFICATIONS OF OODS OF TRANSFER	CEMENT 5 sx (to surf.) 130 sx (to surf.) 130 sx (to surf.) Tof the Corp. Ider my supervision as Core analysis of Samples require Samples Not result water samples ABLE TO ANY OTHER SERVICIL DOES NOT CONSTITE THE PERMITTEE	APPROVED AMOUNT 20 / 800 / ((Company), and direction and	CASING - SIZE 8.63 4.5 d that I and that the	TO BE FILLED I TO BE FILLED I	N BY STATE WT/FT 20 by said coherein are /2012 RED IF RUN TEST INFO	E GEOLOGIST CEMENT CUIL LCosth Company to make etrue, correct, REQUIRED IF RUN CEMENT CONTROL CONTROL	



STATE OF MISSOURI MISSOURI DEPARTMENT OF NATURAL RESOURCES GEOLOGICAL SURVEY PROGRAM

WELL LOCATION PLAT

OWNER'S NAME										
Altavista Energy, Inc.						Loou	NTV.			
Mick Effertz West (Well A-8)							Cass			
WELL LOCATION		(GIVE FOOTAGE FR	OM SECTION	LINES)						
4785 ft. fro	m North S	outh from section I	ine 280	ft. from	East	□ West fro	m section li	ne		
WELL LOCATION										
Sec. 32 Township 46 No	rth Range 33	☐ East ■ We	LONGIT	UDE						
38.77316			94.598							
	5280				41	7405	2805 FEL			
				LEASE LINE			J			
	4620			A-8 (
Lease Bounda	ary>			OK						
	3960									
	3300									
	3300			1	1					
					32					
	2640				<	Center	of Secti	on 32		
	1980									
			4785							
2.5 acre spacing			FSL -	->1						
	1320			- 1	_					
	660		With the same of t		+					
REMARKS	5280	4620 396	0 33	00	2640	1980	1320	660		
Leased acreage is the West							s); 356 acre	es m/l.		
I have only represe	nted the W/2	of Section	32 on t	he Pla	t abov	e.				
INS	TRUCTIONS		This is	to certify	that I ha	ve executed	a survey to	accurately		
			locate	oil and ga	s wells i	n accordance ctly shown or	with 10 CS	R 50-2.030 and		
On the above plat, show dist two nearest section lines, the			mat un	e results a	ire corre	City Showi of	i tile above	piat.		
nearest well on the same lea	ase completed in	or drilling to the								
same reservoir. Do not conf See rule 10 CSR 50-2.030 fo										
must be marked.		Lead miles								
REMIT TV	VO (2) COPIES TO:	!	REGISTE	RED LAND SU	IRVEYOR		NUMBER			
GEOLOGICA	L SURVEY PROGR	RAM								
	WILL BE RETUR									
MO 780-0213 (6-06)										